EEEEEEEEEEEEE	RRRRRRRRRRRR	FFFFFFFFFFFFF
EEEEEEEEEEEEE	RRRRRRRRRRRR	FFFFFFFFFFFF
EEEEEEEEEEEE	RRRRRRRRRRR	FFFFFFFFFFFFF
EEE	RRR RRR	FFF
ĒĒĒ	RRR RRR	FFF
ĔĔĔ	RRR RRR	FFF
ĔĔĔ	RRR RRR	FFF
EEE	RRR RRR	FFF
EEE		
	RRR RRR	FFF
EEEEEEEEEE	RRRRRRRRRRR	FFFFFFFFFF
EEEEEEEEEE	RRRRRRRRRRR	FFFFFFFFFF
EEEEEEEEEEE	RRRRRRRRRRR	FFFFFFFFFF
EEE	RRR RRR	FFF
ĔĔĔ	RRR RRR	FFF
ĒĒĒ	RRR RRR	FFF
ĒĔĒ	RRR RRR	FFF
ĔĔĔ	RRR RRR	FFF
EEE	RRR RRR	FFF
EEEEEEEEEEEEE	RRR RRR	FFF
EEEEEEEEEEEFEEE	RRR RRR	FFF
EEEEEEEEEE	RRR RRR	FFF

UU	88888888 88888888 88 88 88 88 88 88 88 88 888888	AAAAAA AA AA AA AA	NN		
LL LL LL LL LL LL LL LL LL LL LL LL		\$			

fILEID**UBAINT

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AUTHOR BRIAN PORTER

CREATION DATE 3-FEB-1979

Functional description:

This module is called to display UBA interrupts.

Modified by:

V03-004 SAR0160 Sharon A. Reynolds, 13-Oct-1983 Added an SYE update that makes the register heralds generic.

V03-003 SAR0103 Sharon A. Reynolds, 20-Jun-1983 Changed the carriage control in the 'format' statements for use with ERF.

V03-002 SAR0054 Sharon A. Reynolds, 13-Jun-1983 Removed brief/cryptic support.

v03-001 BP0001 Brian Porter, 20-AUG-1982 Minor edit.

Subroutine UBA_INTERRUPTS (lun,option)
include 'src\$:msghdr.for /nolist'

byte

lun

```
M 14
                                                                             16-Sep-1984 00:17:44
5-Sep-1984 14:24:33
                                                                                                         VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER: [ERF.SRC]UBAINT.FOR; 1
UBA_INTERRUPTS
                                                                                                                                                             2
                                                                                                                                                     Page
0116
0117
                   character*1
                                       option
0118
0119
0120
0121
0122
0123
                   1 lib$extzv(24,8,emb$l_hd_sid) .eq. 255
                                                                             ! 11/780
0124
                   1 lib$extzv(24,8,emb$l_hd_sid) .eq. 1
                                                                             ! 11/780's
0126
0127
0128
                   1 lib$extzv(24,8,emb$l_hd_sid) .eq. 4
                                                                             ! 11/7XX
                   1) then
0129
                   if (option .eq. 'S') then
0131
                   call dw780_interrupt (lun)
0132
                   endif
0134
          C
0135
          C
                   for additional UBA support the ELSE-IF-THEN should be expanded
0136
0137
                   at this point.
          C
0138
0139
                   endif
0140
0141
                   return
0142
                   end
PROGRAM SECTIONS
    Name
                                                          Attributes
                                                 Bytes
                                                          PIC CON REL LCL SHR EXE PIC CON REL LCL SHR NOEXE PIC CON REL LCL NOSHR NOEXE
  O SCODE
                                                                                               RD NOWRT LONG
  1 SPDATA
                                                      8
                                                                                               RD NOWRT LONG
  2 $LOCAL
3 EMB
                                                                                               RD
                                                                                                    WRT LONG
                                                    512
                                                           PIC OVR REL GBL
                                                                                SHR NOEXE
                                                                                               RD
                                                                                                    WRT LONG
     Total Space Allocated
                                                    632
ENTRY POINTS
     Address Type Name
  0-00000000
                       UBA_INTERRUPTS
VARIABLES
     Address Type Name
                                                                  Address Type Name
  3-00000000 I+4 EMB$L_HD_SID
3-0000000E I+2 EMB$W_HD_ERRSEQ
                                                               3-00000004 I+2 EMB$W_HD_ENTRY
                                                              AP-00000042 L+1 LUN
 AP-000000082 CHAR OPTION
```

N 14 16-Sep-1984 00:17:44 VAX-11 FORTRAN V3.4-56 Page 3 5-Sep-1984 14:24:33 DISK\$VMSMASTER:[ERF.SRC]UBAINT.FOR;1

ARRAYS

Address Type Name Bytes Dimensions

3-00000000 L+1 EMB 3-00000006 I+4 EMB\$Q_HD_TIME

512 (0:511) 8 (2)

FUNCTIONS AND SUBROUTINES REFERENCED

Type Name Type Name

> DW780_INTERRUPT 1+4 LIBSEXTZV

UN

0172

UN

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Page

VAX-11 FORTRAN V3.4-56

DISK\$VMSMASTER:[ERF.SRC]UBAINT.FOR:1

UP

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Page

VAX-11 FORTRAN V3.4-56

DISK\$VMSMASTER: [ERF.SRC]UBAINT.FOR: 1

```
E 15
DW780_INTERRUPT
                                                                            16-Sep-1984 00:17:44
5-Sep-1984 14:24:33
                                                                                                         VAX-11 FORTRAN V3.4-56
                                                                                                                                                            7
                                                                                                                                                    Page
                                                                                                         DISK$VMSMASTER: [ERF.SRC]UBAINT.FOR: 1
CALL LINCHK (LUN,1)
                   WRITE(LUN,60) UBA FUBAR
FORMAT('', T8,''DW'' FUBAR', T24, Z8.8)
         60
                   if (.not. diagnostic_mode) then
                   IF (JIAND(UBA_SR, '00000003'X) .NE. 0) THEN
                   FIELD = JISHFT(JIAND(UBA_FUBAR, '0000FFFE'X),-1)
                   CALL LINCHK (LUN,1)
                   WRITE(LUN,65) FIELD FORMAT(' ',T40,'UNIBUS ADDRESS = ',05.5,'X (OCTAL)')
                   ENDIF
                   endif
                   RETURN
0250
                   END
PROGRAM SECTIONS
                                                          Attributes
    Name
                                                 Bytes
                                                          PIC CON REL LCL SHR EXE PIC CON REL LCL SHR NOEXE PIC CON REL LCL NOSHR NOEXE
  O SCODE
                                                                                              RD NOWRT LONG
                                                   441
792
512
    SPDATA
                                                                                              RD NOWRT LONG
  2 $LOCAL
3 EMB
                                                                                              RD
                                                                                                    WRT LONG
                                                          PIC OVR REL GBL
                                                                               SHR NOEXE
                                                                                              RD
                                                                                                    WRT LONG
     Total Space Allocated
                                                  2686
ENTRY POINTS
     Address Type Name
  0-00000000
                      DW780_INTERRUPT
VARIABLES
     Address Type
                                                                 Address Type Name
  3-00000028
                1 * 4
                      ADAPTER_TR
                                                               2-000001EC
                                                                                   DIAGNOSTIC MODE
                                                               3-00000000
                      EMB$L_HD_SID
EMB$W_HD_ERRSEQ
ERROR_PSE
   3-00000000
                 1+4
                                                                             1+2
                                                                                   EMB$W_HD_ENTRY
                                                                             1+4
   3-0000000E
                 1+2
                                                               3-00000020
                                                                                   ERROR_PC
   3-00000030
                 1+4
                                                               2-000001F0
                                                                             1+4
                                                                                   FIELD'
   2-000001F4
                 1+4
                                                              AP-00000004a L+1
                                                                                   LUN
    -000001ED
                CHAR
                                                                                   UBA_CR
                                                               3-00000014 I * 4
                      TR
                      UBA_CSR
UBA_FMER
   -00000010
                 1+4
                                                               3-0000001C
                                                                                   UBA_DCR
                                                                             1 * 4
   3-00000020
                1+4
                                                               3-00000024
                                                                             1+4
                                                                                   UBA_FUBAR
  3-00000018
                      UBA_SR
                I+4
```

UN

UN

ARRAYS

Address	Type	Name	Bytes	Dimensions
3-00000000 3-00000006 2-00000009	I+4 CHAR	EMB\$Q_HD_TIME V1UBACR	217	(0:511) (2) (0:6) (0:10)

LABELS

Address	Label	Address	Label	Address	Label	Address	Label	Address	Label	Address	Label
1-0000039 1-00000101 1-0000017B	10' 30' 60'	1-0000004F 1-00000192	12' 35 65'	1-0000006D 1-00000119	13' 40'	1-000000B2 1-0000012E	15' 45'	1-000000c6 1-00000145	20' 50'	1-000000ED 1-0000015B	25' 55'

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name	Type	Name	Type	Name	Type	Name
I+4	COMPRESS4 OUTPUT		FRCTOF UBA_REGA		HEADER VAXPSL	I + 4	LIB\$EXTZV		LINCHK		LOGGER

COMMAND QUALIFIERS

FORTRAN /LIS=LIS\$:UBAINT/OBJ=OBJ\$:UBAINT MSRC\$:UBAINT

/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
/DEBUG=(NOSYMBOLS,TRACEBACK)
/STANDARD=(NOSYNTAX,NOSOURCE_FORM)
/SHOW=(NOPREPROCESSOR,NOINCLODE,MAP)
/F77 /NOG_FLOATING /14 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

4.00 seconds 10.42 seconds 181 Run Time: Elapsed Time:

Page Faults:

Dynamic Memory: 185 pages 0154 AH-BT13A-SE

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